::ODMA\MHODMA\iManage;268619 RWW/HL/sai December 18, 2001



IN THE UNITED STATE YPATENT AND TRADEMARK OFFICE

Applicants:

Timothy P. Tully, Joshua I. Dubnau, Michael Davis, Jan Mous and Ulrich Certa

Application No.:

09/523,066

Group Art Unit: 1655

Filed:

March 10, 2000

Examiner: B. Forman

Title:

GENE CHIP TECHNOLOGY FOR DETERMINING MEMORY GENES

ECH CENTER 1600/2900

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents

Washington, D.C. 20231

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I his I	nformatioi	i Disc	losure	Sta	atement	18	su	bmitte	d:
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[[]	under 37 CFR 1.129(a), or (First/Second submission after Final Rejection)
[]	under 37 CFR 1.97(b), or

(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).

[X] under 37 CFR 1.97(c) together with either:

[X]	a Statement under 37 CFR	1.97(e), as checked below, or
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a \$180.00 fee under 37 CFR 1.17(p), or (After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

[] under 37 CFR 1.97(d) together with:

[]	a Statement under 37 CFR 1.97(e), as checked below, a	ınd
_		the state of the s	

a \$180.00 fee under 37 CFR 1.17(p), or

(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)

[] under 37 CFR 1.97(i):

Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper. (Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

[X]	any co	ommunic	information contained in this Information Disclosure Statement was first cited in cation from a foreign patent office in a counterpart foreign application not more nths prior to the filing of this Information Disclosure Statement; or	
[]	know in the	unicatio ledge of informa	formation contained in this Information Disclosure Statement was cited in a on from a foreign patent office in a counterpart foreign application, and, to the the undersigned, after making reasonable inquiry, no item of information contains tion disclosure statement was known to any individual designated in 37 CFR than three months prior to the filing of this Information Disclosure Statement.	ed
Statem	ient Un	<u>der 37 C</u>	(Patent Term Adjustment) Applies to original applications (other than design) filed on or after May 29, 200	00
[]	was no	unication ot receive	Information contained in the Information Disclosure Statement was cited in a n from a foreign patent office in a counterpart application and this communication and the signated in § 1.56(c) more than thirty days prior to the formation Disclosure Statement.	1
[X]	Enclos	sed herev	with is form PTO-1449:	
	[X]	Copies	of the cited references (AQ, AL2-AM2 and AR2-AW2) are enclosed.	
	[]	Applica	of cited references are enclosed except those entered in prior application, U.S. ation No. [], to which priority under 35 U.S.C. 120 is claimed. [The earlier tion contains copies of the cited references.]	
	[X]	Counter	ted references were cited in the enclosed International Search Report in a part foreign application. Reference AV was also cited in the enclosed tional Search Report.	
	[]	The "co under 3"	oncise explanation" requirement (non-English references) for reference(s) [7 CFR 1.98(a)(3) is satisfied by:	
		[] 1	the explanation provided on the attached sheet.	
		[] 1	the explanation provided in the Specification.	
		[]	submission of the enclosed International Search Report.	
		[] t	the enclosed English language abstract.	

[]	App	licant requests that the following r	non-published pending appl	lications be considered:
Examiner Initials	's			
	_	U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
	_	U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
	-	U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
		Examiner	Date	
	[]	A copy of each above-cited app	lication, including the curr	ent claims, is enclosed.
	[]	A copy of each above-cited app those entered in prior application 35 U.S.C. 120 is claimed.	lication, including the current, U.S. Application No. [ent claims, is enclosed, except], to which priority under
The E	xamino nces w	er is requested to return a copy of ere considered with the next office	the above list of pending ape communication.	oplications indicating which
It is re	queste	d that the information disclosed he	erein be made of record in t	his application.
Metho	d of pa	ayment:		
]	A che	eck for the fee noted above is enclo npanying Reply. A copy of this So	osed, or the fee has been incatement is enclosed.	cluded in the check with the
]	Please	e charge Deposit Account 08-0380 sed.	in the amount of \$[]. A copy of this Statement is
[X]	Please	e charge any deficiency in fees and	I credit any overpayment to	Deposit Account 08-0380.
		Re	espectfully submitted,	
		Н	AMILTON, BROOK, SMI	TH & REYNOLDS, P.C.
]]	Helen Lee Registration No.: 39,270 Telephone: (978) 341-0036 Facsimile: (978) 341-0136	

Concord, MA 01742-9133
Dated: Declare 18, 2001

PATENT COOPERATION TREA. .

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 1314.1058003	FOR FURTHER see Notification (Form PCT/ISA/	n of Transmittal of International Search Report V220) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 00/06234	10/03/2000	10/03/1999
Applicant	10,00,200	10/03/1777
COLD SPRING HARBOR LABORAT This International Search Report has been according to Article 18. A copy is being train	n prepared by this International Searching Aut	ithority and is transmitted to the applicant
****	of a total of5 sheets. a copy of each prior art document cited in this	s report.
Basis of the report a. With regard to the language, the ir language in which it was filed, unle	international search was carried out on the ba ess otherwise indicated under this item.	asis of the international application in the
Authority (Hule 23.1(b)).	as carried out on the basis of a translation of t	
was carried out on the basis of the	e sequence listing :	international application, the international search
=	nal application in written form.	
Extra	rnational application in computer readable forr this Authority in written form.	m.
7-19-0	this Authority in written form. this Authority in computer readble form.	
	sequently furnished written sequence listing d	does not go beyond the disclosure in the
PWP		is identical to the written sequence listing has been
	d unsearchable (See Box I).	
3. Unity of invention is lacki	ing (see Box II).	
4. With regard to the title,		
the text is approved as subr		
the text has been established	ed by this Authority to read as follows:	
5. With regard to the abstract,		
the text is approved as subr		
— within one month from the d	ed, according to Rule 38.2(b), by this Authorit date of mailing of this international search rep	y as it appears in Box III. The applicant may, port, submit comments to this Authority.
6. The figure of the drawings to be publish	_	
as suggested by the applica		X None of the figures.
because the applicant failed	_	
because this figure better ch	naracterizes the invention.	

INT RNATIONAL SEARCH REPORT

lernational Application No PCT/US 00/06234

IPC 7	IFICATION OF SUBJECT MATTER C12Q1/68			
	o International Patent Classification (IPC) or to both national classific	ation and IPC		
ļ	SEARCHED ocumentation searched (classification system followed by classification	on symbols)		
IPC 7	C12Q C07K G01N			
Documenta	tion searched other than minimum documentation to the extent that s	such documents are included in the fields se	earched	
Electronic d	lata base consulted during the international search (name of data ba	se and, where practical, search terms used)	
EPO-In	ternal, BIOSIS			
С. ДОСИМІ	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the rel	evant passages	Relevant to claim No.	
Υ	SILVA A J ET AL: "CREB AND MEMOR		1-20	
	ANNUAL REVIEW OF NEUROSCIENCE, AN REVIEWS INC., PALO ALTO, CA, US,	INUAL		
	vol. 21, 1998, pages 127-148, XPC	000900517		
	ISSN: 0147-006X			
	page 130, paragraph 4 -page 131, 1	paragrapn		
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χ Furth	ner documents are listed in the continuation of box C.	χ Patent family members are listed in	n annex.	
° Special car	tegories of cited documents :	*T* later document published after the inter		
	ent defining the general state of the art which is not ered to be of particular relevance	or priority date and not in conflict with t cited to understand the principle or the		
"E" earlier d	document but published on or after the international	invention *X* document of particular relevance; the cl	aimed invention	
filing d *L* docume	nt which may throw doubts on priority claim(s) or	cannot be considered novel or cannot involve an inventive step when the doc		
citation	or other special reason (as specified)	"Y" document of particular relevance; the cl cannot be considered to involve an inv	entive step when the	
O document referring to an oral disclosure, use, exhibition or other means document is combined with one or more other such documents, such combination being obvious to a person skilled				
	P document published prior to the international filing date but later than the priority date claimed in the art. *&* document member of the same patent family			
Date of the a	actual completion of the international search	Date of mailing of the international sea		
20	6 September 2001	10/10/2001		
Name and m	nailing address of the ISA	Authorized officer		
	European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk			
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Osborne, H			

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Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	
	or the relevant passages	Relevant to claim No.
Y	GUZOWSKI J F ET AL: "ANTISENSE OLIGODEOXYNUCLEOTIDE-MEDIATED DISRUPTION OF HIPPOCAMPAL CAMP RESPONSE ELEMENT BINDING PROTEIN LEVELS IMPAIRS CONSOLIDATION OF MEMORY FOR WATER MAZE TRAINING" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 94, March 1997 (1997-03), pages 2693-2698, XP000934313 ISSN: 0027-8424 cited in the application the whole document	1-20
Y	TULLY T ET AL: "INDEPENDENT MEMORIES IN DROSOPHILA AFTER PAVLOVIAN CONDITIONING" SOCIETY FOR NEUROSCIENCE ABSTRACTS, SOCIETY FOR NEUROSCIENCE, US, vol. 19, no. 1/3, 1993, page 1066 XP000566270 ISSN: 0190-5295 see abstract 440.8	1-20
Y	WO 97 12976 A (COLD SPRING HARBOR LAB) $^{\omega}$ 10 April 1997 (1997-04-10) see whole document, especially pages 1-3.	1-20
(CAVALLARO S ET AL: "Late memory-related , genes in the hippocampus revealed by RNA fingerprinting" PROC. NATL. ACAD SCI USA, vol. 94, September 1977 (1977-09), pages 9669-9673, XP002178412 the whole document	1-20
	BOURTCHOULADZE R ET AL: "Different v training procedures recruit either one or two critical periods for contectual memory consolidation, each of which requires protein synthesis and PKA" LEARNING AND MEMORY, vol. 5, no. 4-5, 1998, pages 365-74, XP001024521 the whole document	1-20
	KOGAN J ET AL: "Spaced training induces normal long-term memory in CREB mutant mice" CURRENT BIOLOGY, vol. 7, no. 1, 1997, pages 1-11, XP001024551	1-20
	see whole document, especially "Conclusions, page 9/	

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.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
ategory °	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
	PEDREIRA M ET AL: "Massed and spaced training build up different components of long-term habituation in the crab Chasmagnathus" ANIMAL LEARNING AND BEHAVIOUR, vol. 26, no. 1, 1998, pages 34-45, XP001024597 the whole document	1-20
	WO 98 49342 A (COCKBAIN JULIAN R M ;FORSKNINGSPARKEN I AAS AS (NO); LOENNEBORG AN) 5 November 1998 (1998-11-05) the whole document	1-20
	WO 96 11270 A (TULLY TIMOTHY P ;COLD SPRING HARBOR LAB (US); REGULSKI MICHAEL (US) 18 April 1996 (1996-04-18) the whole document	1-20
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